Secure Internet gateway

Download and Installation process of Secure Internet gateway

Step 1: First, please check antivirus install or not and proper working or not.

dpkg --get-selections | grep escan

```
fusion@FMPLUP0922WS01:~/Desktop$ dpkg --get-selections | grep escan
escan-antivirus                                 install
fusion@FMPLUP0922WS01:~/Desktop$
```

Step 2: Install git package for access git repository

cd Music/

sudo apt-get install git -y

```
fusion@FMPLUP0922WS01:~/Music$ sudo apt-get install -y git
[sudo] password for fusion:
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  git-man liberror-perl
Suggested packages:
  git-daemon-run | git-daemon-sysvinit git-doc git-el git-email git-gui gitk
  gitweb git-cvs git-mediawiki git-svn
The following NEW packages will be installed:
  git git-man liberror-perl
0 upgraded, 3 newly installed, 0 to remove and 467 not upgraded.
Need to get 5,471 kB of archives.
After this operation, 38.4 MB of additional disk space will be used.
Get:1 http://in.archive.ubuntu.com/ubuntu focal/main amd64 liberror-perl all 0.17029-1 [26.5 kB]
Get:2 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 git-man all 1:2.25.1-1ubuntu3.4 [885
kB]
Get:3 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 git amd64 1:2.25.1-1ubuntu3.4 [4,560
kB]
Fetched 5,471 kB in 16s (353 kB/s)
Selecting previously unselected package liberror-perl.
(Reading database ... 159499 files and directories currently installed.)
Preparing to unpack .../liberror-perl_0.17029-1_all.deb ...
Unpacking liberror-perl (0.17029-1) ...
Selecting previously unselected package git-man.
Preparing to unpack .../git-man_1%3a2.25.1-1ubuntu3.4_all.deb ...
Unpacking git-man (1:2.25.1-1ubuntu3.4) ...
Selecting previously unselected package git.
Preparing to unpack .../git_1%3a2.25.1-1ubuntu3.4_amd64.deb ...
Unpacking git (1:2.25.1-1ubuntu3.4) ...
Setting up liberror-perl (0.17029-1) ...
Setting up git-man (1:2.25.1-1ubuntu3.4) ...
Setting up git (1:2.25.1-1ubuntu3.4) ...
Processing triggers for man-db (2.9.1-1) ...
fusion@FMPLUP0922WS01:~/Music$
```

Step3: Copy Prisma directory from GitHub repository

sudo git clone https://github.com/jenkinstudent/prisma

```
fusion@FMPLUP0922WS01:~/Music$ sudo git clone https://github.com/jenkinstudent/prisma
Cloning into 'prisma'...
remote: Enumerating objects: 26, done.
remote: Counting objects: 100% (26/26), done.
remote: Compressing objects: 100% (25/25), done.
remote: Total 26 (delta 7), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (26/26), 7.78 MiB | 526.00 KiB/s, done.
fusion@FMPLUP0922WS01:~/Music$
```

Step4: Move to Prisma Directory and check open long list of directories or files.

cd prisma

ls -l or ls -lrt

```
fusion@FMPLUP0922WS01:~/Music$ cd prisma
fusion@FMPLUP0922WS01:~/Music/prisma$ ls -l
total 8552
-rw-r--r-- 1 root root 2506788 Jun 29 15:09  ClSetup_20200723_144156440.exe
-rw-r--r-- 1 root root   31679 Jun 29 15:09 'Connect to a GlobalProtect portal Installation Steps.docx'
-rw-r--r-- 1 root root 6166521 Jun 29 15:09  GlobalProtect_deb-5.3.0.0-32.deb
-rw-r--r-- 1 root root    1070 Jun 29 15:09  LICENSE
-rw-r--r-- 1 root root   17751 Jun 29 15:09  LMClSetup_20191217_162733446.sh
-rw-r--r-- 1 root root     743 Jun 29 15:09  Mint_Script.sh
-rw-r--r-- 1 root root      49 Jun 29 15:09  README.md
-rw-r--r-- 1 root root    1103 Jun 29 15:09  SSL_Forward-Trust-CA.crt
-rw-r--r-- 1 root root     834 Jun 29 15:09  SSL_Forward-Trust-CA-ECDSA.crt
-rw-r--r-- 1 root root    1099 Jun 29 15:09  SSL_ROOT_CA.crt
```

Step5: Grant permission to execute shell script file (Mint_Script.sh).

sudo chmod u+x Mint_Script.sh

```
fusion@FMPLUP0922WS01:~/Music/prisma$ sudo chmod u+x Mint_Script.sh
```

- permission has been granted, please check given below screenshot for your reference.

ls -l or ls -lrt

```
fusion@FMPLUP0922WS01:~/Music/prisma$ ls -l
total 8552
-rw-r--r-- 1 root root 2506788 Jun 29 15:09  ClSetup_20200723_144156440.exe
-rw-r--r-- 1 root root   31679 Jun 29 15:09 'Connect to a GlobalProtect portal Installation Steps.docx'
-rw-r--r-- 1 root root 6166521 Jun 29 15:09  GlobalProtect_deb-5.3.0.0-32.deb
-rw-r--r-- 1 root root    1070 Jun 29 15:09  LICENSE
-rw-r--r-- 1 root root   17751 Jun 29 15:09  LMClSetup_20191217_162733446.sh
-rwxr--r-- 1 root root     743 Jun 29 15:09  Mint_Script.sh
-rw-r--r-- 1 root root      49 Jun 29 15:09  README.md
-rw-r--r-- 1 root root    1103 Jun 29 15:09  SSL_Forward-Trust-CA.crt
-rw-r--r-- 1 root root     834 Jun 29 15:09  SSL_Forward-Trust-CA-ECDSA.crt
-rw-r--r-- 1 root root    1099 Jun 29 15:09  SSL_ROOT_CA.crt
fusion@FMPLUP0922WS01:~/Music/prisma$
```

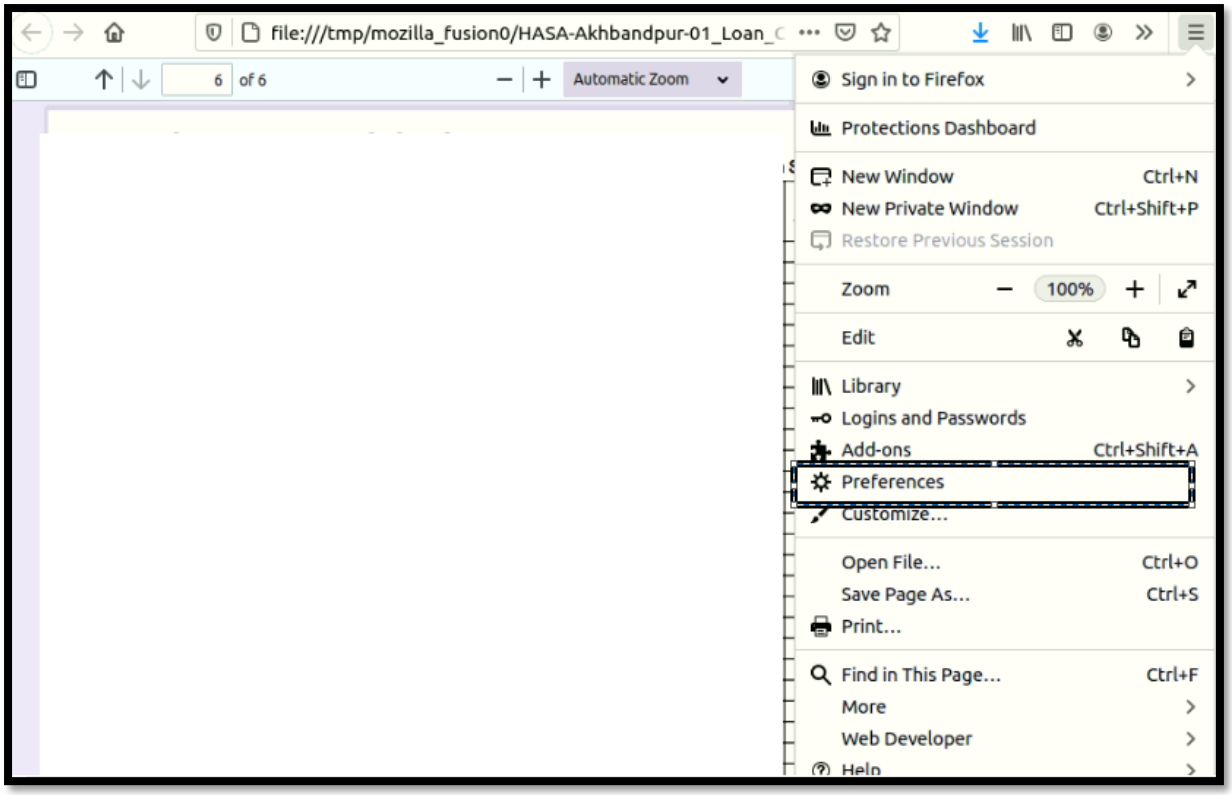
Step6: Execute shell script for installation some application and dependencies on Linux OS.

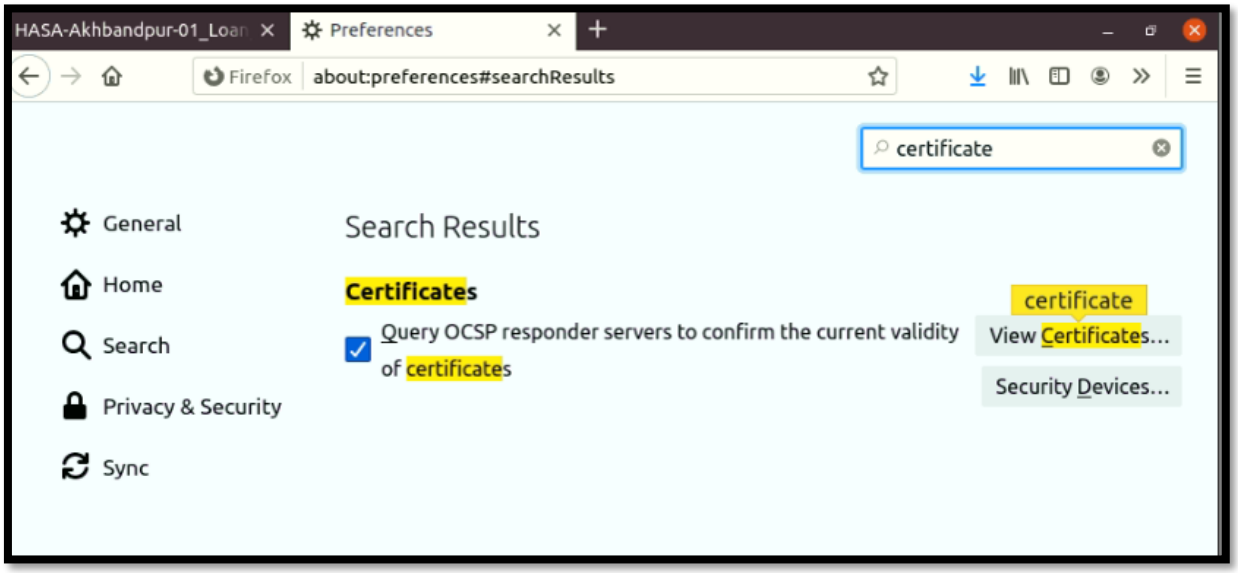
sudo bash Mint_Script.sh

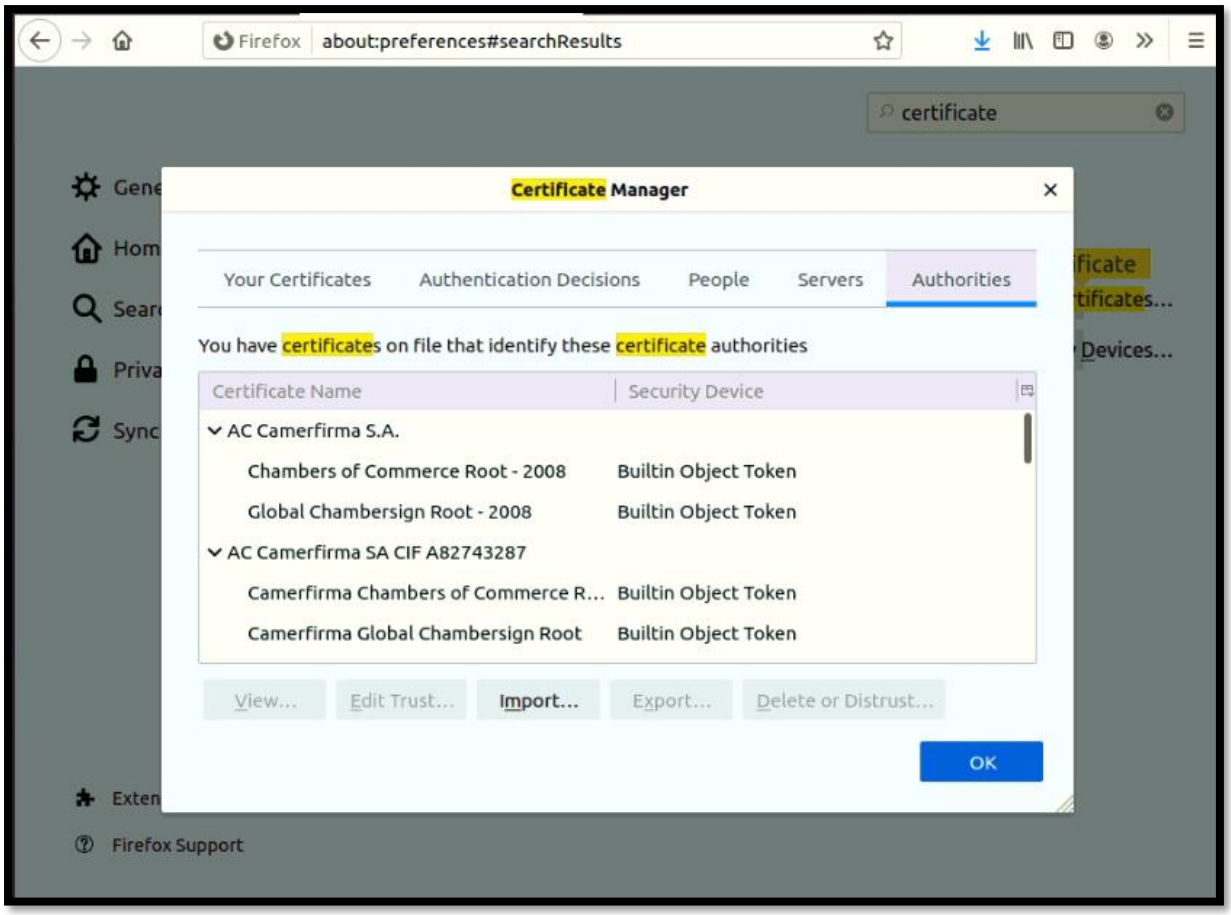
```
fusion@FMPLUP0922WS01:~/Music/prisma$ sudo  bash Mint_Script.sh
Hit:1 http://in.archive.ubuntu.com/ubuntu focal InRelease
Hit:2 http://in.archive.ubuntu.com/ubuntu focal-updates InRelease
Hit:3 http://in.archive.ubuntu.com/ubuntu focal-backports InRelease
Hit:4 http://dl.google.com/linux/chrome/deb stable InRelease
Get:5 http://security.ubuntu.com/ubuntu focal-security InRelease [114 kB]
Get:6 http://security.ubuntu.com/ubuntu focal-security/main amd64 DEP-11 Metadata [40.8 kB]
Get:7 http://security.ubuntu.com/ubuntu focal-security/universe amd64 DEP-11 Metadata [66.5 kB]
Get:8 http://security.ubuntu.com/ubuntu focal-security/multiverse amd64 DEP-11 Metadata [2,464 B]
Fetched 224 kB in 3s (78.3 kB/s)
Reading package lists... Done
Building dependency tree
Reading state information... Done
467 packages can be upgraded. Run 'apt list --upgradable' to see them.
--2022-06-29 15:13:59--  https://download.teamviewer.com/download/linux/teamviewer_amd64.deb
Resolving download.teamviewer.com (download.teamviewer.com)... 104.16.63.16, 104.16.62.16, 2606:4700:839
0:20a8:6f39:14a:38ce:258f
Connecting to download.teamviewer.com (download.teamviewer.com)|104.16.63.16|:443... connected.
HTTP request sent, awaiting response... 302 Found
Cookie coming from download.teamviewer.com attempted to set domain to downloadprovider.teamviewer.com
Cookie coming from download.teamviewer.com attempted to set domain to downloadprovider.teamviewer.com
Location: https://dl.teamviewer.com/download/linux/version_15x/teamviewer_15.31.5_amd64.deb [following]
--2022-06-29 15:14:00--  https://dl.teamviewer.com/download/linux/version_15x/teamviewer_15.31.5_amd64.d
eb
Resolving dl.teamviewer.com (dl.teamviewer.com)... 104.16.63.16, 104.16.62.16, 2606:4700:8390:20a8:6f39:
411:38ce:258f
Connecting to dl.teamviewer.com (dl.teamviewer.com)|104.16.63.16|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 70760432 (67M) [application/octet-stream]
Saving to: 'teamviewer_amd64.deb'

teamviewer_amd64.deb      100%[===================================>]  67.48M   451KB/s    in 3m 19s

2022-06-29 15:17:20 (348 KB/s) - 'teamviewer_amd64.deb' saved [70760432/70760432]
```

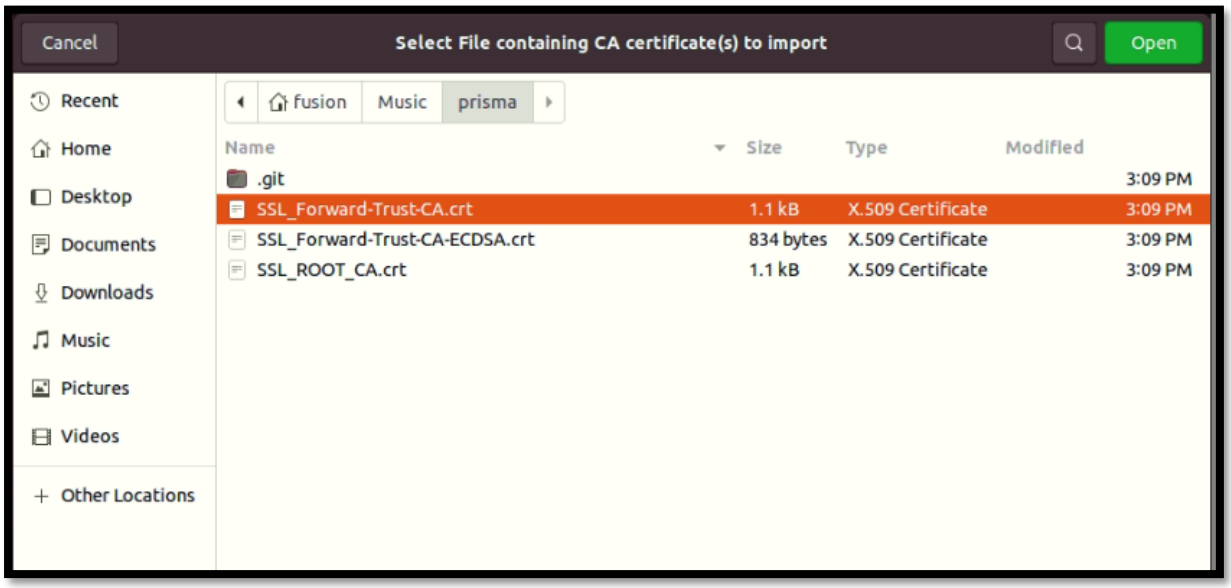
```
Processing triggers for mime-support (3.64ubuntu1) ...
Processing triggers for hicolor-icon-theme (0.17-2) ...
Processing triggers for gnome-menus (3.36.0-1ubuntu1) ...
Processing triggers for libc-bin (2.31-0ubuntu9.2) ...
Processing triggers for dbus (1.12.16-2ubuntu2.1) ...
Hit:1 http://in.archive.ubuntu.com/ubuntu focal InRelease
Hit:2 http://in.archive.ubuntu.com/ubuntu focal-updates InRelease
Hit:3 http://in.archive.ubuntu.com/ubuntu focal-backports InRelease
Hit:4 http://dl.google.com/linux/chrome/deb stable InRelease
Hit:5 http://security.ubuntu.com/ubuntu focal-security InRelease
Get:6 https://linux.teamviewer.com/deb stable InRelease [11.9 kB]
Get:7 https://linux.teamviewer.com/deb stable/main amd64 Packages [14.2 kB]
Get:8 https://linux.teamviewer.com/deb stable/main i386 Packages [14.0 kB]
Fetched 40.1 kB in 3s (15.5 kB/s)
Reading package lists... Done
Building dependency tree
Reading state information... Done
467 packages can be upgraded. Run 'apt list --upgradable' to see them.
Reading package lists... Done
Building dependency tree
Reading state information... Done
0 upgraded, 0 newly installed, 0 to remove and 467 not upgraded.
Sourcing file `/etc/default/grub'
Sourcing file `/etc/default/grub.d/init-select.cfg'
Generating grub configuration file ...
Found linux image: /boot/vmlinuz-5.8.0-43-generic
Found initrd image: /boot/initrd.img-5.8.0-43-generic
Adding boot menu entry for UEFI Firmware Settings
done
net.ipv6.conf.all.disable_ipv6 = 1
net.ipv6.conf.default.disable_ipv6 = 1
net.ipv6.conf.lo.disable_ipv6 = 1
net.ipv6.conf.all.disable_ipv6 = 1
net.ipv6.conf.default.disable_ipv6 = 1
net.ipv6.conf.eno1.disable_ipv6 = 1
net.ipv6.conf.enxfcde56ff0106.disable_ipv6 = 1
net.ipv6.conf.lo.disable_ipv6 = 1
fusion@FMPLUP0922WS01:~/Music/prisma$
```

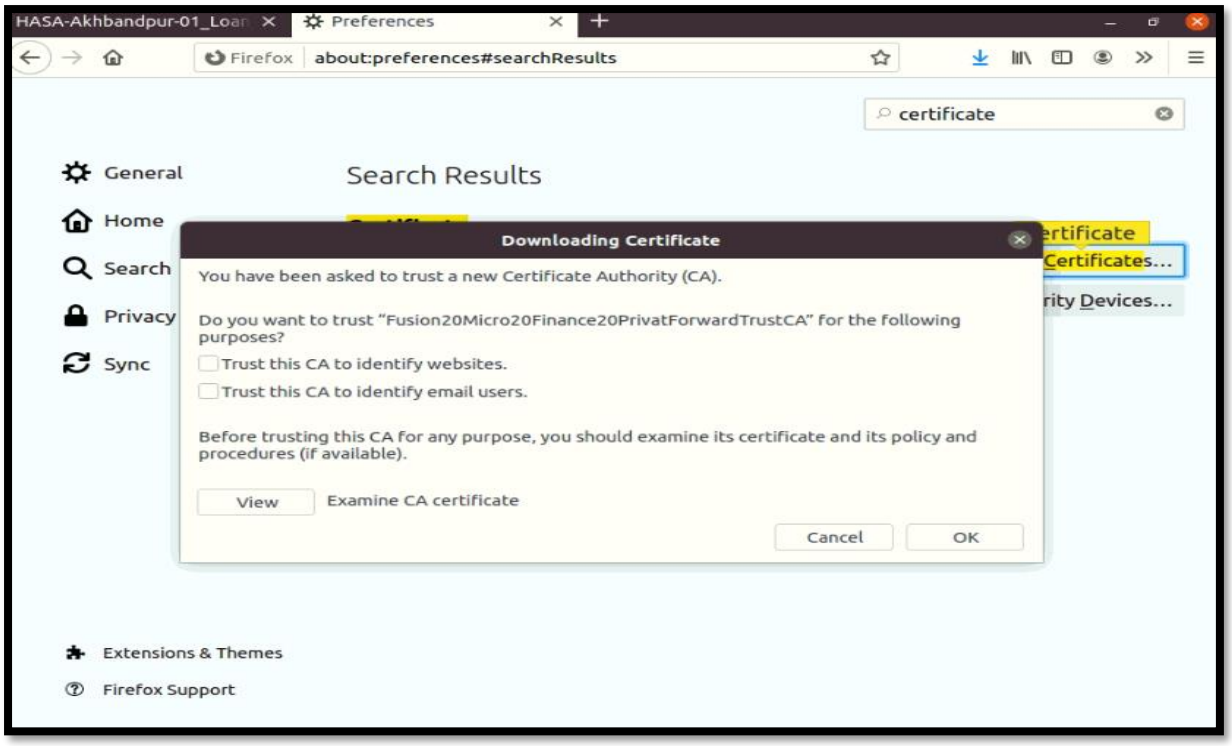
Step7: Import Certificate in Mozilla Firefox Google chrome and Thunderbird, Given below screenshot for your reference.



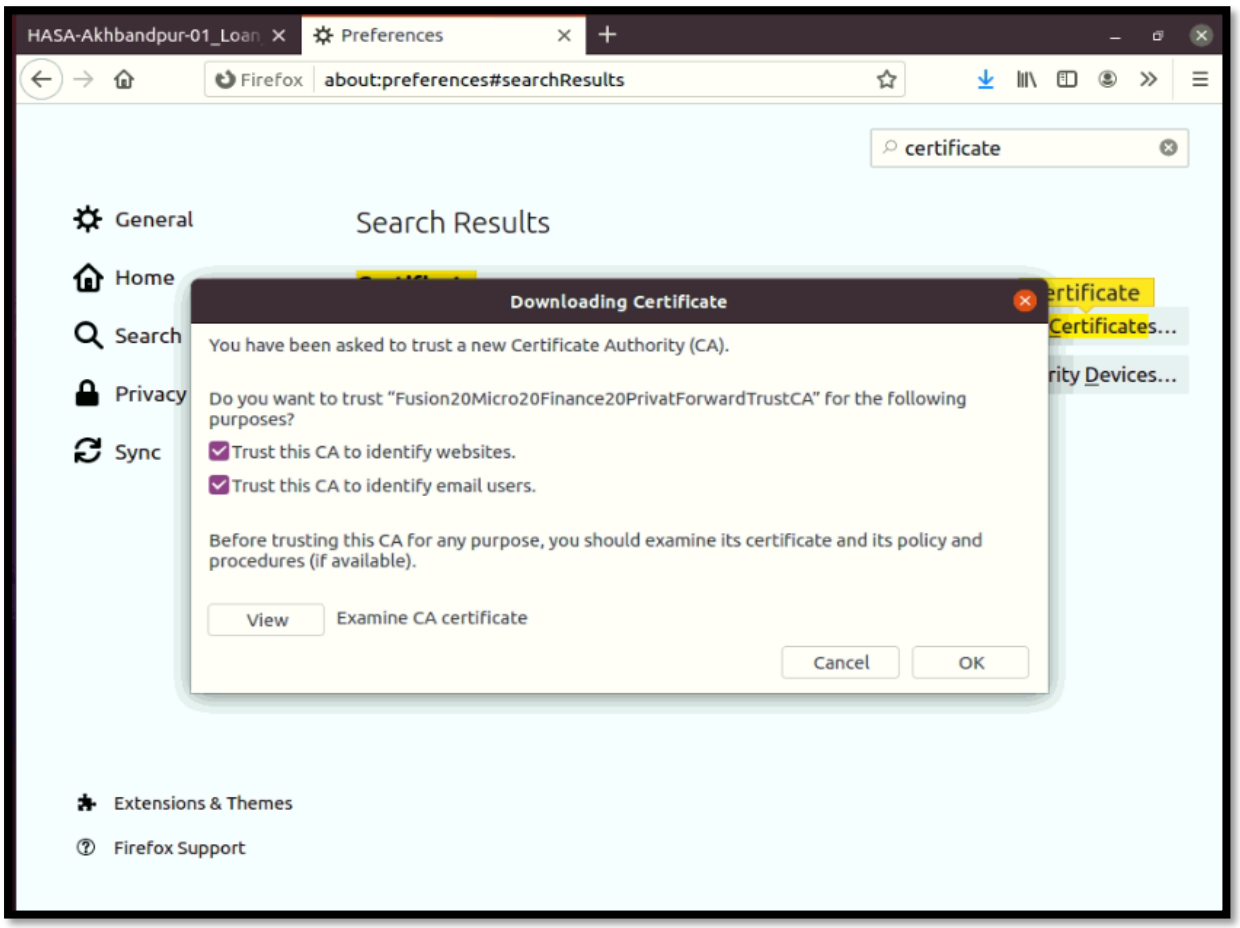



Firefox
about:preferences#searchResults
certificate
Certificate Manager
Your Certificates
Authentication Decisions
People
Servers
Authorities
You have certificates on file that identify these certificate authorities
Certificate Name
Security Device
AC Camerfirma S.A.
Chambers of Commerce Root - 2008
Builtin Object Token
Global Chambersign Root - 2008
Builtin Object Token
AC Camerfirma SA CIF A82743287
Camerfirma Chambers of Commerce R...
Builtin Object Token
Camerfirma Global Chambersign Root
Builtin Object Token
View...
Edit Trust...
Import...
Export...
Delete or Distrust...
OK
Firefox Support


Cancel
Select File containing CA certificate(s) to import
Open
Recent
Home
Desktop
Documents
Downloads
Music
Pictures
Videos
Other Locations
fusion
Music
prisma
Name
Size
Type
Modified
.git
3:09 PM
SSL_Forward-Trust-CA.crt
1.1 kB
X.509 Certificate
3:09 PM
SSL_Forward-Trust-CA-ECDSA.crt
834 bytes
X.509 Certificate
3:09 PM
SSL_ROOT_CA.crt
1.1 kB
X.509 Certificate
3:09 PM


HASA-Akhbandpur-01_Loan
Preferences
Firefox
about:preferences#searchResults
certificate
General
Home
Search
Privacy
Sync
Search Results
Downloading Certificate
You have been asked to trust a new Certificate Authority (CA).
Do you want to trust "Fusion20Micro20Finance20PrivatForwardTrustCA" for the following purposes?
Trust this CA to identify websites.
Trust this CA to identify email users.
Before trusting this CA for any purpose, you should examine its certificate and its policy and procedures (if available).
View
Examine CA certificate
Cancel
OK
Certificates...
Devices...
Extensions & Themes
Firefox Support

S


HASA-Akhbandpur-01_Loan
Preferences
Firefox
about:preferences#searchResults
certificate
General
Home
Search
Privacy
Sync
Search Results
Downloading Certificate
You have been asked to trust a new Certificate Authority (CA).
Do you want to trust "Fusion20Micro20Finance20PrivatForwardTrustCA" for the following purposes?
Trust this CA to identify websites.
Trust this CA to identify email users.
Before trusting this CA for any purpose, you should examine its certificate and its policy and procedures (if available).
View
Examine CA certificate
Cancel
OK
Certificates...
Devices...
Extensions & Themes
Firefox Support

Step8: Finally install Globalprotect Debian file.

sudo dpkg -i GlobalProtect_deb-5.3.0.0-32.deb

```
fusion@FMPLUP0922WS01:~/Music/prisma$ sudo dpkg -i GlobalProtect_deb-5.3.0.0-32.deb
Selecting previously unselected package globalprotect.
(Reading database ... 160899 files and directories currently installed.)
Preparing to unpack GlobalProtect_deb-5.3.0.0-32.deb ...
Start installing gp...
Unpacking globalprotect (5.3.0-32) ...
Setting up globalprotect (5.3.0-32) ...
Enable gp service...
Starting gp service...
enable ping
net.ipv4.ping_group_range = 0 0
Create symlink for gp cli...
Starting gpa...
start GPA for sudo user fusion
Processing triggers for man-db (2.9.1-1) ...
fusion@FMPLUP0922WS01:~/Music/prisma$
```

Step9: Connect Globalprotect with given credentials

globalprotect connect --portal fmpl.gpcloudservice.com

```
fusion@FMPLUP0922WS01:~/Music/prisma$ globalprotect connect --portal fmpl.gpcloudservice.com
Retrieving configuration...
fmpl.gpcloudservice.com - Enter login credentials
username:BO0922
Password:
Discovering network...
```

Step10: Globalprotect connect status check and Region with IP Address detail.

globalprotect show --version

globalprotect show --status

globalprotect show --details

globalprotect rediscover-network (Re-connected globalprotect)

```
prisma@SIGPrisma:~/Desktop/Debian Setup$ globalprotect show --details
Gateway Name: india-north-fusionmi.gpsggocj5cn.gw.gpcloudservice.com
Gateway Description: India North
Assigned IP Address: 172.19.1.7
Gateway IP Address: 134.238.236.171
Gateway Location:
Protocol: IPSec
Uptime(sec): 209
prisma@SIGPrisma:~/Desktop/Debian Setup$
```

Note: Ubuntu 19 and above anydesk dependency remove using given below script.

sudo sed -i '7 s/^#//' /etc/gdm3/custom.conf